

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Information Technology	(2) MEETING DATE 1/10/2012	(3) CONTACT/PHONE Guy Savage 781-5050	
(4) SUBJECT Request to 1) approve a budget adjustment in the amount of \$13,500 from within accounts to purchase GPS time synchronization frequency reference hardware used to support public safety radio communications; and 2) amend the Fixed Asset List for Fund Center 114 – Information Technology to reflect the purchase of the GPS equipment.			
(5) RECOMMENDED ACTION General Services Agency – Information Technology recommends that your Board authorize a budget adjustment in the amount of \$13,500 by a four-fifths vote, for the purchase of GPS time synchronization frequency reference hardware and add this equipment to Fund Center 114, Information Technology fixed asset list.			
(6) FUNDING SOURCE(S) FC 114 - Information Technology	(7) CURRENT YEAR FINANCIAL IMPACT \$0.00	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? Yes
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation (Time Est. _____) <input type="checkbox"/> Hearing (Time Est. _____) <input type="checkbox"/> Board Business			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input checked="" type="checkbox"/> N/A		(12) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: 1112062 <input checked="" type="checkbox"/> 4/5th's Vote Required <input type="checkbox"/> N/A	
(13) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) N/A		(14) W-9 <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
(15) LOCATION MAP N/A	(16) BUSINESS IMPACT STATEMENT? No	(17) AGENDA ITEM HISTORY <input checked="" type="checkbox"/> N/A Date _____	
(18) ADMINISTRATIVE OFFICE REVIEW 			
(19) SUPERVISOR DISTRICT(S) All Districts -			

County of San Luis Obispo



TO: Board of Supervisors

FROM: Information Technology / Guy Savage
781-5050

DATE: 1/10/2012

SUBJECT: Request to 1) approve a budget adjustment in the amount of \$13,500 from within accounts to purchase GPS time synchronization frequency reference hardware used to support public safety radio communications; and 2) amend the Fixed Asset List for Fund Center 114 – Information Technology to reflect the purchase of the GPS equipment.

RECOMMENDATION

General Services Agency – Information Technology recommends that your Board authorize a budget adjustment in the amount of \$13,500 by a four-fifths vote, for the purchase of GPS time synchronization frequency reference hardware and add this equipment to Fund Center 114, Information Technology fixed asset list.

DISCUSSION

This request is for a budget adjustment to purchase two Global Positioning Satellite (GPS) time synchronization frequency units at a cost of \$6,750 each to be used with the County public safety radio communications system. The request will shift \$13,500 from Fund Center 114, Information Technology services and supplies to cover the cost of the two new fixed assets.

This new hardware will replace GPS equipment that has failed. The existing hardware is not repairable and is no longer supported by the manufacturer. Due to the criticality of the GPS units, the County stocks spares. All spare hardware has been placed into service leaving no remaining spares available for any future equipment failures.

The County public safety radio communications system is comprised of numerous base station radios installed and operating continuously at mountaintop communication sites dispersed geographically throughout the County. Availability and the proper operation of these radios is dependent upon a common, shared time frequency synchronization that is provided by GPS units located at each mountaintop site. Functional GPS reference units are a critical piece of public safety communications equipment and proper operation of the radio system cannot occur without this equipment. Lacking a stable GPS reference signal to synchronize the County radio equipment, transmit and receive functionality of the radios starts to drift off-frequency causing interference and noise on radio channels. Ultimately this noise and interference renders the channel unusable by public safety and general government radio users.

The purchase of two new GPS time synchronization frequency units will ensure the continued, reliable operation of the County public safety radio communications system by providing spare equipment that will be usable for any future equipment failures.

OTHER AGENCY INVOLVEMENT/IMPACT

None.

FINANCIAL CONSIDERATIONS

The funding for the GPS time synchronization frequency reference hardware will be from existing Fund Center 114, Information Technology operating budget. There are no recurring annual maintenance costs. The total cost for both GPS units is \$13,500.

RESULTS

With the authorization of this budget adjustment, Information Technology will be able to purchase necessary and critical communications frequency synchronization equipment which is essential to the County public safety communications system used by first responders and other public safety radio users.